

15,000 ÷  
31 =  
483.870967741\*  
  
483.870967741\*  
10%  
48.3870967741\*  
48.387096774+  
532.258064515\*

Angie

**PRETREATMENT MONITORING REPORT**NAME: SANDVIK COROMANT MANUFACTURINGMAILING ADDRESS: 1702 NEVINS ROAD FAIR LAWN, NJ 07410FACILITY LOCATION: 1702 NEVINS ROAD FAIR LAWN, NJ 07410CATEGORY & SUBPART: UNKNOWNOUTLET #: 1CONTACT OFFICIAL: ALBERT MIPSTELEPHONE: 201-794-5106NEW CUSTOMER ID / OUTLET ID: 08630002-1

OLD OUTLET DESIGNATION: \_\_\_\_\_

MONITORING PERIOD		
Start		
03	01	09
MO	DAY	YR

End		
03	31	09
MO	DAY	YR

Average

Maximum

Regulated Flow-gal/day 484 X 10% = 532Total Flow-gal/day 484

Method Used: \_\_\_\_\_

Production Rate (if applicable) \_\_\_\_\_

PARAMETER		MASS OR CONCENTRATION			# OF SAMPLES	SAMPLE TYPE
		MON AVG	MAXIMUM	UNITS		
BIOCHEMICAL OX	Sample Measurement		<2.0	Mg/l	1	Comp
	Permit Requirement	0		Mg/l		
CADMIUM	Sample Measurement		<0.003	Mg/l	1	Comp
	Permit Requirement	.019		Mg/l		
COPPER	Sample Measurement		<0.01	Mg/l	1	Comp
	Permit Requirement	3.02		Mg/l		
LEAD	Sample Measurement		<0.003	Mg/l	1	Comp
	Permit Requirement	0.54		Mg/l		
MERCURY	Sample Measurement		<0.0002	Mg/l	1	Comp
	Permit Requirement	0.080		Mg/l		
NICKEL	Sample Measurement		<0.01	Mg/l	1	Comp
	Permit Requirement	5.9		Mg/l		
ZINC	Sample Measurement		<0.02	Mg/l	1	Comp
	Permit Requirement	1.67		Mg/l		
NON-POLAR MATE	Sample Measurement		<5.1	Mg/l	1	Grab
	Permit Requirement		100	Mg/l		
TOTAL TOXIC OR	Sample Measurement		0.16612	Mg/l	1	Grab
	Permit Requirement	2.13		Mg/l		
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					

PVSC FORM MR-I REV: 4 6/87 P I

**PRETREATMENT MONITORING REPORT**

Certification of Non-Use if applicable (use additional sheets): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

parameter used: SANDVIK IS IN COMPLIANCE

\_\_\_\_\_

\_\_\_\_\_

Explain Method for preserving samples: SAMPLES ARE PRESERVED IN NITRIC ACID AT pH NO LESS THAN 2.0

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



\_\_\_\_\_  
Signature of Principal

Executive or Authorized Agent

ALBERT MIPS

\_\_\_\_\_  
FACILITIES MANAGER

Type Name and Title

04/09/09

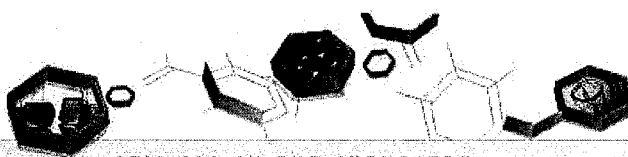
\_\_\_\_\_  
Date

SANDVIK COMPANY  
 1702 Nevins Road  
 P.O. Box 428  
 Fair Lawn, NJ 07410-0428

### GROUND WATER SEWAGE RECORDS 2009

PERIOD	DATE	METERED READINGS		METER A = PVSC SEWER (GALLONS)		METER B= STORM DRAIN (GALLONS)	
		METER-A(05000626)	METER- B(07017639)				
JAN.	1/31	48,040,000	29,720,000	A	1,388,000	B	1,239,000
		46,652,000	28,481,000				
		A= 1,388,000	B= 1,239,000	A	1,388,000	B	1,239,000
FEB.	2/28	48,246,000	31,815,000	A	206,000	B	2,095,000
		48,040,000	29,720,000				
		A= 206,000	B= 2,095,000	A	206,000	B	2,095,000
MAR.	3/31	48,261,000	34,290,000	A	15,000	B	2,475,000
		48,246,000	31,815,000				
		A= 15,000	B= 2,475,000	A	15,000	B	2,475,000
APR.	4/30			A	0	B	0
		A=	B=	A	0	B	0
MAY	5/31			A	0	B	0
		A=	B=	A	0	B	0
JUNE	6/30			A	0	B	0
		A=	B=	A	0	B	0
JULY	7/31			A	0	B	0
		A=	B=	A	0	B	0
AUG.	8/31			A	0	B	0
		A=	B=	A	0	B	0
SEPT.	9/30			A	0	B	0
		A=	B=	A	0	B	0
OCT.	10/31			A	0	B	0
		A=	B=	A	0	B	0
NOV.	11/30			A	0	B	0
		A=	B=	A	0	B	0
DEC.	12/31			A	0	B	0
		A=	B=	A	0	B	0
YTD TOTAL				A	1,609,000	B	5,809,000

*e-Hardcopy 2.0*  
Automated Report



03/24/09

## Technical Report for

Sandvik Inc.

Monthly PVSC Permit, Fairlawn, NJ

Accutest Job Number: JA13238

Sampling Date: 03/03/09

Report to:

Sandvik Coromant Manufacturing

albert.mips@sandvik.com

ATTN: Albert Mips

Total number of pages in report: 13



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis  
VP Ops, Laboratory Director

Client Service contact: Nadine Yakes 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

Sections:

1

2

3

4

# Table of Contents

-1-

<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Sample Results .....</b>	<b>6</b>
3.1: JA13238-1: BASEMENT SUMP 24 HR COMPOSITE .....	7
3.2: JA13238-2: BASEMENT SUMP GRAB .....	9
<b>Section 4: Misc. Forms .....</b>	<b>12</b>
4.1: Chain of Custody .....	13

Accutest LabLink@11:01 24-Mar-2009

**Sample Summary**

Sandvik Inc.

Job No: JA13238

Monthly PVSC Permit, Fairlawn, NJ

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JA13238-1	03/03/09	13:35 HM	03/03/09	AQ Water	BASEMENT SUMP 24 HR COMPOSITE
JA13238-2	03/03/09	13:40 HM	03/03/09	AQ Water	BASEMENT SUMP GRAB



2

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** Sandvik Inc.

**Job No** JA13238

**Site:** Monthly PVSC Permit, Fairlawn, NJ

**Report Date** 3/24/2009 10:55:16 AM

On 03/03/2009, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.3 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA13238 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VT5062

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13219-1MS, JA13219-2DUP, JA13219-1MS were used as the QC samples indicated.
- Blank Spike Recovery(s) for Acrolein are outside control limits.
- Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.
- JA13219-1MS for 2-Chloroethyl vinyl ether: Outside control limits due to acid preservation.
- VT5062-BS for Acrolein: High percent recoveries and no associated positive found in the QC batch.
- JA13219-1MS for Acrolein: Outside control limits.

### Metals By Method EPA 200.7

**Matrix:** AQ

**Batch ID:** MP47414

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13226-6MS, JA13226-6MSD, JA13226-6SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Lead are outside control limits for sample MP47414-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

### Metals By Method EPA 245.1

**Matrix:** AQ

**Batch ID:** MP47511

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13700-7MS, JA13700-7MSD were used as the QC samples for metals.
- RPD(s) for MSD for Mercury are outside control limits for sample MP47511-S2. High rpd due to possible sample matrix interference.

Tuesday, March 24, 2009

Page 1 of 2



**Wet Chemistry By Method EPA 1664A****Matrix:** AQ**Batch ID:** GP48302

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13204-1MS, JA13856-1DUP were used as the QC samples for HEM Petroleum Hydrocarbons.
- RPD(s) for Duplicate for HEM Petroleum Hydrocarbons are outside control limits for sample GP48302-D1. RPD acceptable due to low duplicate and sample concentrations.

**Wet Chemistry By Method SM20 2540D****Matrix:** AQ**Batch ID:** GN24220

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13214-2DUP were used as the QC samples for Solids, Total Suspended.

**Wet Chemistry By Method SM20 5210B****Matrix:** AQ**Batch ID:** GP48125

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13204-1DUP were used as the QC samples for BOD, 5 Day.

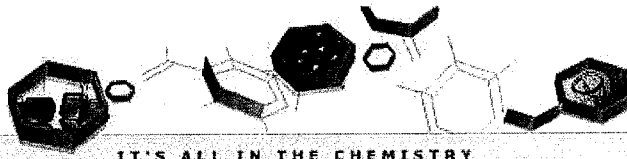
**Field Data By Method SM20 4500H B****Matrix:** AQ**Batch ID:** R79421

- The data for SM20 4500H B meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



IT'S ALL IN THE CHEMISTRY

## Section 3

3

### Sample Results

---

### Report of Analysis

---

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 1 of 1

Client Sample ID: BASEMENT SUMP 24 HR COMPOSITE

Lab Sample ID: JA13238-1

Matrix: AQ - Water

Date Sampled: 03/03/09

Date Received: 03/03/09

Percent Solids: n/a

Project: Monthly PVSC Permit, Fairlawn, NJ

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Cadmium	< 3.0	3.0	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Copper	< 10	10	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Lead	< 3.0	3.0	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Mercury	< 0.20	0.20	ug/l	1	03/20/09	03/20/09 JW	EPA 245.1 <sup>2</sup>	EPA 245.1 <sup>4</sup>
Nickel	< 10	10	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Zinc	< 20	20	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>

(1) Instrument QC Batch: MA22227

(2) Instrument QC Batch: MA22305

(3) Prep QC Batch: MP47414

(4) Prep QC Batch: MP47511

RL = Reporting Limit

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 1 of 2

3.2

3

Client Sample ID:	BASEMENT SUMP GRAB			Date Sampled:	03/03/09
Lab Sample ID:	JA13238-2			Date Received:	03/03/09
Matrix:	AQ - Water			Percent Solids:	n/a
Method:	EPA 624				
Project:	Monthly PVSC Permit, Fairlawn, NJ				

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T130573.D	1	03/07/09	YCB	n/a	n/a	VT5062
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/l	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND			ug/l	
71-43-2	Benzene	ND	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	2.9	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.13	ug/l	
75-00-3	Chloroethane	0.52	1.0	0.20	ug/l	J
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	6.6	1.0	0.094	ug/l	
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.14	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.91	ug/l	
75-34-3	1,1-Dichloroethane	5.6	1.0	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	3.8	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.2	1.0	0.15	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 2 of 2

3.2

3

<b>Client Sample ID:</b>	BASEMENT SUMP GRAB		
<b>Lab Sample ID:</b>	JA13238-2	<b>Date Sampled:</b>	03/03/09
<b>Matrix:</b>	AQ - Water	<b>Date Received:</b>	03/03/09
<b>Method:</b>	EPA 624	<b>Percent Solids:</b>	n/a
<b>Project:</b>	Monthly PVSC Permit, Fairlawn, NJ		

## VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	126	1.0	0.58	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	3.3	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	9.2	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	132%		62-139%
2037-26-5	Toluene-D8 (SUR)	97%		85-120%
460-00-4	4-Bromofluorobenzene (SUR)	93%		74-118%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 1 of 1

Client Sample ID: BASEMENT SUMP GRAB

Lab Sample ID: JA13238-2

Matrix: AQ - Water

Date Sampled: 03/03/09

Date Received: 03/03/09

Percent Solids: n/a

Project: Monthly PVSC Permit, Fairlawn, NJ

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
HEM Petroleum Hydrocarbons	< 5.1	5.1	mg/l	1	03/19/09	JOO	EPA 1664A

## Field Parameters

pH (Field)	6.37		su	1	03/03/09 13:41	HFM	SM20 4500HB
------------	------	--	----	---	----------------	-----	-------------

RL = Reporting Limit



### Misc. Forms

### Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



## CHAIN OF CUSTODY

**Fresh Ponds Corporate Village, Building B**  
**2235 Route 130, Dayton, NJ 08810**  
**908-329-0200 FAX: 908-329-3499/3480**

**Accutest Job #:**

J A 13238

**Accutest Quote #:**

**NY4/2008-278**

Client Information						Facility Information						Analytical Information							
Sandvick Mnf.						Station Sandvick						BOD TSS	Cd, Cu, Pb, Hg, Ni, Zn,		V624 TVO	PHC 1664	pHf		
Name 1702 Nevins Road						Location Monthly PVSC Permit													
Address Fairlawn, N.J. 07410						Project # Fairlawn, N.J.													
City State Zip Mr. Albert Mips																			
Send Report to:						FAX #:													
Phone #: (201) 794-5106																			
		Collection				Preservation													
Field ID / Point of Collection		Date	Time	Sampled By	Matrix	# of bottles	HCL	NH <sub>4</sub> OH	HNO <sub>3</sub>	H <sub>2</sub> O <sub>2</sub>	None								
Basement Sump		3/3/09	13:35	HM	WW	3		x		x		X	X	-1					
24 hr Composite																			
time: 13:30 to 13:30																			
date: 3/2/09 3/3/09																			
Basement Sump		3/3/09	13:40	HM	WW	5	x							-2	X	X	X		
Grab																			
Turnaround Information		Data Deliverable Information				Comments / Remarks													
<input checked="" type="checkbox"/> 21 Day Standard <input type="checkbox"/> 14 Days RUSH <input type="checkbox"/> 7 Days EMERGENCY <input type="checkbox"/> Other _____		Approved By: _____		<input checked="" type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> FULL CLP <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> State Forms		AMET 18, NC 9, NC 2, 864  Samples were collected in accordance with established Accutest Field Sampling SOPs for water and/or solids sampling											
21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.																			
Sample Custody must be documented below each time samples change possession, including courier delivery.																			
Relinquished by Sampler:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:									
1 [Signature]		03/03/09 18:20		1 [Signature]		2				2									
Relinquished by Sampler:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:									
3				3		4				4									
Relinquished by Sampler:		Date Time:		Received By:		Seal #		Preserve where applicable		On Ice		Temperature							
5				5		408 INTACT		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		3.3°C							

13

rw

## JA13238: Chain of Custody

Page 1 of 1



DN 612  
04/09/2009

13:38

MANUFACTURING → 919733444876

NO. 244

D04

**PRETREATMENT MONITORING REPORT**NAME: SANDVIK COROMANT MANUFACTURING

APR 9 2009

MAILING ADDRESS: 1702 NEVINS ROAD FAIR LAWN, NJ 07410FACILITY LOCATION: 1702 NEVINS ROAD FAIR LAWN, NJ 07410CATEGORY & SUBPART: UNKNOWNOUTLET #: 1CONTACT OFFICIAL: ALBERT MIPSTELEPHONE: 201-794-5106NEW CUSTOMER ID / OUTLET ID: 08630002-1

OLD OUTLET DESIGNATION: \_\_\_\_\_

MONITORING PERIOD					
Start			End		
03	01	09	03	31	09
MO	DAY	YR	MO	DAY	YR

Average

Maximum

Regulated Flow-gal/day 484 X 10% = 532

Total Flow-gal/day \_\_\_\_\_

*Flow-gal/day*  
*Permit Mass*

Method Used: \_\_\_\_\_

Production Rate (if applicable) \_\_\_\_\_

PARAMETER		MASS OR CONCENTRATION			# OF SAMPLES	SAMPLE TYPE COMP/GRAB
		MON AVG	MAXIMUM	UNITS		
BIOCHEMICAL OX	Sample Measurement		<2.0	Mg/l	1	Comp
	Permit Requirement	0		Mg/l		
CADMIUM	Sample Measurement		<0.003	Mg/l	1	Comp
	Permit Requirement	.019		Mg/l		
COPPER	Sample Measurement		<0.01	Mg/l	1	Comp
	Permit Requirement	3.02		Mg/l		
LEAD	Sample Measurement		<0.003	Mg/l	1	Comp
	Permit Requirement	0.54		Mg/l		
MERCURY	Sample Measurement		<0.0002	Mg/l	1	Comp
	Permit Requirement	0.080		Mg/l		
NICKEL	Sample Measurement		<0.01	Mg/l	1	Comp
	Permit Requirement	5.9		Mg/l		
ZINC	Sample Measurement		<0.02	Mg/l	1	Comp
	Permit Requirement	1.67		Mg/l		
NON-POLAR MATE	Sample Measurement		<5.1	Mg/l	1	Grab
	Permit Requirement		100	Mg/l		
TOTAL TOXIC OR	Sample Measurement		0.16612	Mg/l	1	Grab
	Permit Requirement	2.13		Mg/l		
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					

04/09/2009 13:38 MANUFACTURING → 919733444876

NO. 244 005

APR 9 2009

## PRETREATMENT MONITORING REPORT

**Certification of Non-Use if applicable (use additional sheets):**

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

parameter used: SANDVIK IS IN COMPLIANCE

**Explain Method for preserving samples:** **SAMPLES ARE PRESERVED IN NITRIC ACID AT pH NO LESS THAN 2.0**

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988**

John R.

**Signature of Principal**

**Executive or Authorized Agent**

ALBERT MIPS

## FACILITIES MANAGER

Type Name and Title

04/09/09

Date \_\_\_\_\_

04/09/2009

13:38

MANUFACTURING → 919733444876

NO. 244

006

**e-Hardcopy 2.0**  
Automated Report

IT'S ALL IN THE CHEMISTRY

03/24/09

## Technical Report for

**Sandvik Inc.****Monthly PVSC Permit, Fairlawn, NJ****Accutest Job Number: JA13238****Sampling Date: 03/03/09**

### Report to:

**Sandvik Coromant Manufacturing****albert.mips@sandvik.com****ATTN: Albert Mips****Total number of pages in report: 13**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

**Client Service contact: Nadine Yakes 732-329-0200**

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

*David N. Speis*  
**David N. Speis**  
VP Ops, Laboratory Director



## Sections:

1

2

3

4

# Table of Contents

-1-

<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Sample Results .....</b>	<b>6</b>
3.1: JA13238-1: BASEMENT SUMP 24 HR COMPOSITE .....	7
3.2: JA13238-2: BASEMENT SUMP GRAB .....	9
<b>Section 4: Misc. Forms .....</b>	<b>12</b>
4.1: Chain of Custody .....	13

04/09/2009 13:38 MANUFACTURING → 919733444876

NO.244 008

Accutest LabLink@11:01 24-Mar-2009

**Sample Summary**

Sandvik Inc.

Job No: JA13238

Monthly PVSC Permit, Fairlawn, NJ

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JA13238-1	03/03/09	13:35 HM	03/03/09	AQ Water	BASEMENT SUMP 24 HR COMPOSITE
JA13238-2	03/03/09	13:40 HM	03/03/09	AQ Water	BASEMENT SUMP GRAB

04/09/2009

13:38

MANUFACTURING → 919733444876

NO.244

009

**CASE NARRATIVE / CONFORMANCE SUMMARY****Client:** Sandvik Inc.**Job No** JA13238**Site:** Monthly PVSC Permit, Fairlawn, NJ**Report Date** 3/24/2009 10:55:16 AM

On 03/03/2009, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.5 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA13238 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

**Volatiles by GCMS By Method EPA 624****Matrix:** AQ**Batch ID:** VT5062

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13219-1MS, JA13219-2DUP, JA13219-1MS were used as the QC samples indicated.
- Blank Spike Recovery(s) for Acrolein are outside control limits.
- Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.
- JA13219-1MS for 2-Chloroethyl vinyl ether: Outside control limits due to acid preservation.
- VT5062-BS for Acrolein: High percent recoveries and no associated positive found in the QC batch.
- JA13219-1MS for Acrolein: Outside control limits.

**Metals By Method EPA 200.7****Matrix:** AQ**Batch ID:** MP47414

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13226-6MS, JA13226-6MSD, JA13226-6SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Lead are outside control limits for sample MP47414-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

**Metals By Method EPA 245.1****Matrix:** AQ**Batch ID:** MP47511

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13700-7MS, JA13700-7MSD were used as the QC samples for metals.
- RPD(s) for MSD for Mercury are outside control limits for sample MP47511-S2. High rpd due to possible sample matrix interference.

Tuesday, March 24, 2009

Page 1 of 2



4 of 13

**Wet Chemistry By Method EPA 1664A****Matrix:** AQ**Batch ID:** GP48302

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13204-IMS, JA13856-IDUP were used as the QC samples for HEM Petroleum Hydrocarbons.
- RPD(s) for Duplicate for HEM Petroleum Hydrocarbons are outside control limits for sample GP48302-D1. RPD acceptable due to low duplicate and sample concentrations.

**Wet Chemistry By Method SM20 2540D****Matrix:** AQ**Batch ID:** GN24220

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13214-2DUP were used as the QC samples for Solids, Total Suspended.

**Wet Chemistry By Method SM20 5210B****Matrix:** AQ**Batch ID:** GP48125

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA13204-IDUP were used as the QC samples for BOD, 5 Day.

**Field Data By Method SM20 4500H B****Matrix:** AQ**Batch ID:** R79421

- The data for SM20 4500H B meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

04/09/2009 13:38 MANUFACTURING → 919733444876

NO.244 011



IT'S ALL IN THE CHEMISTRY

## Section 3

3

---

**Sample Results**

---

**Report of Analysis**  
  

---



04/09/2009 13:38 MANUFACTURING → 919733444876

NO.244 012

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 1 of 1

Client Sample ID: BASEMENT SUMP 24 HR COMPOSITE

Lab Sample ID: JA13238-1

Matrix: AQ - Water

Date Sampled: 03/03/09

Date Received: 03/03/09

Percent Solids: n/a

Project: Monthly PVSC Permit, Fairlawn, NJ

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Cadmium	< 3.0	3.0	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Copper	< 10	10	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Lead	< 3.0	3.0	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Mercury	< 0.20	0.20	ug/l	1	03/20/09	03/20/09 JW	EPA 245.1 <sup>2</sup>	EPA 245.1 <sup>4</sup>
Nickel	< 10	10	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>
Zinc	< 20	20	ug/l	1	03/05/09	03/05/09 VC	EPA 200.7 <sup>1</sup>	EPA 200.7 <sup>3</sup>

(1) Instrument QC Batch: MA22227

(2) Instrument QC Batch: MA22305

(3) Prep QC Batch: MP47414

(4) Prep QC Batch: MP47511

RL = Reporting Limit

04/09/2009

13:38

MANUFACTURING → 919733444876

NO.244

014

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 1 of 2

32

3

Client Sample ID: BASEMENT SUMP GRAB		Date Sampled: 03/03/09	
Lab Sample ID: JA13238-2		Date Received: 03/03/09	
Matrix: AQ - Water		Percent Solids: n/a	
Method: EPA 624			
Project: Monthly PVSC Permit, Fairlawn, NJ			

Run #	File ID	DP	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T130573.D	I	03/07/09	YCB	n/a	n/a	VT5062
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.0	ug/l	
107-13-1	Acrylonitrile	ND	10	0.85	ug/l	
542-88-1	Bis(chloromethyl)ether	IND			ug/l	
71-43-2	Benzene	ND	1.0	0.12	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.19	ug/l	
74-83-9	Bromomethane	ND	1.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	2.9	1.0	0.099	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.13	ug/l	
75-00-3	Chloroethane	0.52	1.0	0.20	ug/l	J
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.96	ug/l	
67-66-3	Chloroform	6.6	1.0	0.094	ug/l	
74-87-3	Chloromethane	ND	1.0	0.17	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.11	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.17	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.14	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.91	ug/l	
75-34-3	1,1-Dichloroethane	5.6	1.0	0.10	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	3.8	1.0	0.17	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.2	1.0	0.15	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.18	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.16	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
123-91-1	1,4-Dioxane	ND	130	55	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
151-56-4	Ethylenimine	IND			ug/l	
75-09-2	Methylene chloride	ND	1.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.10	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 2 of 2

Client Sample ID:	BASEMENT SUMP GRAB		
Lab Sample ID:	JA13238-2	Date Sampled:	03/03/09
Matrix:	AQ - Water	Date Received:	03/03/09
Method:	EPA 624	Percent Solids:	n/a
Project:	Monthly PVSC Permit, Fairlawn, NJ		

## VOA TVO List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethene	126	1.0	0.58	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	3.3	1.0	0.11	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.15	ug/l	
79-01-6	Trichloroethene	9.2	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.44	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.16	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	132%		62-139%
2037-26-5	Toluene-D8 (SUR)	97%		85-120%
460-00-4	4-Bromofluorobenzene (SUR)	93%		74-118%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

04/09/2009 13:38 MANUFACTURING → 919733444876

NO.244 016

Accutest LabLink@11:01 24-Mar-2009

## Report of Analysis

Page 1 of 1

Client Sample ID:	BASEMENT SUMP GRAB	Date Sampled:	03/03/09
Lab Sample ID:	JA13238-2	Date Received:	03/03/09
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Monthly PVSC Permit, Fairlawn, NJ		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
HEM Petroleum Hydrocarbons < 5.1	5.1		mg/l	1	03/19/09	JOO	EPA 1664A

## Field Parameters

pH (Field)	6.97		su	1	03/03/09 13:41	HFM	SM20 4500HI B
------------	------	--	----	---	----------------	-----	---------------

RL = Reporting Limit

04/09/2009

13:38

MANUFACTURING → 919733444876

NO.244

017



IT'S ALL IN THE CHEMISTRY

**Section 4**

4

**Misc. Forms**

---

**Custody Documents and Other Forms**

---

**Includes the following where applicable:**

- Chain of Custody

04/09/2009 13:38

MANUFACTURING → 919733444876

NO.244 002

SANDVIK COMPANY  
 1702 Nevins Road  
 P.O. Box 428  
 Fair Lawn, NJ 07410-0428

**GROUND WATER SEWAGE RECORDS 2009**

PERIOD	DATE	METERED READINGS		METER A = PVSC SEWER (GALLONS)			
		METER-A(05000626)	METER- B(07017639)	METER B= STORM DRAIN (GALLONS)			
JAN.	1/31	48,040,000	29,720,000	A	1,388,000	B	1,239,000
		46,652,000	28,481,000				
		A= 1,388,000	B= 1,239,000	A	1,388,000	B	1,239,000
FEB.	2/28	48,246,000	31,815,000	A	206,000	B	2,095,000
		48,040,000	29,720,000				
		A= 206,000	B= 2,095,000	A	206,000	B	2,095,000
MAR.	3/31	48,261,000	34,290,000	A	15,000	B	2,475,000
		48,246,000	31,815,000				
		A= 15,000	B= 2,475,000	A	15,000	B	2,475,000
APR.	4/30			A	0	B	0
		A=	B=	A	0	B	0
MAY	5/31			A	0	B	0
		A=	B=	A	0	B	0
JUNE	6/30			A	0	B	0
		A=	B=	A	0	B	0
JULY	7/31			A	0	B	0
		A=	B=	A	0	B	0
AUG.	8/31			A	0	B	0
		A=	B=	A	0	B	0
SEPT.	9/30			A	0	B	0
		A=	B=	A	0	B	0
OCT.	10/31			A	0	B	0
		A=	B=	A	0	B	0
NOV.	11/30			A	0	B	0
		A=	B=	A	0	B	0
DEC.	12/31			A	0	B	0
		A=	B=	A	0	B	0
YTD TOTAL				A	1,609,000	B	5,809,000

04/09/2009 13:38 MANUFACTURING → 919733444876

NO.244 018



## CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B  
2235 Route 130, Dayton, NJ 08810  
908-329-0200 FAX: 908-329-3499/3480

Accutest Job #: <b>JA13238</b>	
Accutest Quote #: <b>NY42008-278</b>	
Analytical Information	
BOD TSS	Cd, Cu, Pb, Hg, Ni, Zn,
	V524 TV0
	PHC 1664
	pth
Comments / Remarks	
<p>Sample were collected in accordance with established Accutest Field Sampling SOPs for water quality solid sampling.</p>	
<p>408 JAWAY 3/10/09</p>	

Client Information		Facility Information	
Sandvick Mnf.		Sandvick	
Address: 1702 Nevins Road		Location: Monthly PVSC Permit	
City: Fairtown, N.J. 07410		Project #: Fairtown, N.J.	
State: Zip			
Mr. Albert Mips			
Send Report to:		FAX #:	
Phone #: (201) 794-5106			

Field ID / Point of Collection	Collection		Sampled By	Matrix	# of bottles	Preservation				
	Date	Time				1	2	3	4	5
Basement Sump	3/3/09	13:35	HM	WW	3					
24 hr Composite										
time: 13:30 to 13:30										
date: 3/6/09 3/6/09										
Basement Sump	3/3/09	13:40	HM	WW	5					
Grab										

Turnaround Information		Date Deliverable Information	
<input checked="" type="checkbox"/> 21 Day Standard <input type="checkbox"/> 14 Days RUSH <input type="checkbox"/> 7 Days EMERGENCY <input type="checkbox"/> Other	Approved By:	<input checked="" type="checkbox"/> NJ Reduced <input type="checkbox"/> NJ Full <input type="checkbox"/> FULL CLP <input type="checkbox"/> Onk Deliverable <input type="checkbox"/> Other (Specify)	<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> State Form

Sample Custody must be documented below each time samples change possession, including courier delivery.			
Relinquished by Sampler:	Date/Time:	Received By:	Date/Time:
1	03/03/09 18:20	1	
Relinquished by Sampler:	Date/Time:	Received By:	Date/Time:
3		3	
Relinquished by Sampler:	Date/Time:	Received By:	Date/Time:
5		5	

JA13238: Chain of Custody

Page 1 of 1